

## 5 ABSTRACT

The invention concerns a separation device (1) for processing biomolecules, especially for isolating nucleic acids, with a separation column (2) that has a top side inlet (7) and a bottom side outlet (8) and in which a separation material (10) is arranged, as well as with a collection vessel (3) for collecting the liquid exiting from the outlet (8), wherein the separation column (2) is inserted into the collection vessel (3) and is closed off with a removable cover (4), wherein the interiors of the collection vessel (3) and the separation column (2) have a pressure-equalizing connection (11, 12) in addition to the outlet (8) from the separation column (2).